



## NECROPSY KIT INSTRUCTION SHEET

**MONTANA VETERINARY DIAGNOSTIC LABORATORY**  
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### TISSUE SELECTION

Postmortem examination and tissue collection should be completed as soon as possible after animal death to facilitate diagnosis. Collect *all tissues* requested in kit instructions including grossly abnormal and normal tissue; grossly normal tissue may contain lesions visible only by microscopic visualization.

If the animal is alive but will be sacrificed, a serum sample and an EDTA blood sample collected prior to necropsy are helpful

### FRESH TISSUES

- ♦ Harvested tissue pieces should be approximately 2 to 3 inch cubes
- ♦ Place tissues in a Whirl-Pak® and place sealed Whirl-Pak® into a secondary plastic bag with sufficient absorbent material to collect any liquid that may leak from tissue container
- ♦ Pack tissues with frozen gel packs for shipping

### FIXED TISSUES

- ♦ Harvested tissue pieces should be ½ to ¾ inch thick and placed immediately into a container of 10% formalin
- ♦ The volume of formalin should be 10 times the volume of the tissue being fixed
- ♦ Seal the tissue container (please do not tape) and place into a secondary plastic bag with sufficient absorbent material to collect any liquid that may leak from tissue container

### TESTS AND RESULTS

- ♦ The MVDL pathologist will select specific tests based on case history and clinical, gross and microscopic examination of the submitted tissues. Special requests or concerns should be noted on the SV43. Succinct, complete history greatly assists the pathologist in interpretation and deriving a diagnosis.
- ♦ A case summary will be provided by the pathologist but final interpretation and diagnosis may rest with the submitting veterinarian

### KIT CONTENTS

- ♦ An SV43 submission form in a Whirl-Pak®
- ♦ Two large and two small Whirl-Pak®
- ♦ One bottle of 10% formalin

### SHIPPING

#### US POSTAL ADDRESS

Montana Veterinary Diagnostic Lab  
P O Box 997  
Bozeman, MT 59771

#### UPS, FEDEX EXPRESS, GREYHOUND ADDRESS

Montana Veterinary Diagnostic Lab  
Marsh Lab, Room 76  
1911 West Lincoln  
Bozeman, MT 59718

CONTINUED ON REVERSE



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## TISSUE COLLECTION LIST

<b>SUDDEN DEATH</b>			
<b>FRESH TISSUES</b>	<b>AND</b>	<b>FIXED TISSUES</b>	
Brain – see CNS (below)		Brain – see CNS (below)	
Intestinal contents (10cc)		Colon – one inch segment of two regions	
Kidney		Kidney	Lung (x2)
Liver		Liver	Myocardium
Lung		Small intestine – one inch segment of each region	
Spleen		Spleen	
Stomach			
<b>RESPIRATORY DISEASE</b>			
<b>FRESH TISSUES</b>	<b>AND</b>	<b>FIXED TISSUES</b>	
Bronchial lymph node		Bronchial lymph node	
Lung		Heart – right & left ventricle, free wall and septum	
Trachea		Liver	Spleen
		Lung	Trachea
<b>GASTROINTESTINAL DISEASE</b>			
<b>FRESH TISSUES</b>	<b>AND</b>	<b>FIXED TISSUES</b>	
Ileum – two inch segment		Colon – one inch segment	
Lung		Small intestine – one inch segment of each region	
Mesenteric lymph node		Esophagus	Rumen
Spleen		Kidney	Spleen
Rectal contents (20 cc)		Liver	Stomach or absomasum
		Lung	Tongue
		Pancreas	
<b>CENTRAL NERVOUS SYSTEM</b>			
<b>FRESH TISSUES</b>	<b>AND</b>	<b>FIXED TISSUES</b>	
Brain/Spinal cord		Brain/Spinal cord	Liver
Heart		Ileum	Lung
Kidney (x2)		Jejunum	Pancreas
Lung		Kidney	Spleen
Spleen			
Stomach or rumen contents (1 lb)			

**Rabies** testing requires a complete transverse section of fresh brain stem. We recommend submission of the entire brain in a fresh, refrigerated state for all neurologic cases. Consultation with a pathologist is encouraged.

**Transmissible spongiform encephalopathy (TSE)** testing such as BSE, Scrapie or CWD requires the obex region of the medulla oblongata. Submission of the retropharyngeal lymph nodes is also recommended for CWD testing, especially in deer.

